

Advanced Anatomic Pathology - Objectives

Patient Care

1. Procedural skills

A. Surgical Pathology, Dermatopathology, Renal, and Hepatic Pathology

1. Objectives

- a. Gross examination and dissection of surgical pathology specimens.
- b. Appropriate fixation and selection and submission of tissue for preparation of microscopic slides.
- c. Preparation of a complete and informative surgical pathology report, including use of consultants and the medical literature.
- d. Familiarity with normal histology of the skin, liver and kidney, and classic or common conditions manifesting as microscopic abnormalities of these organs.
- e. Appropriate dissection, orientation and submission of dermatologic specimens for routine histopathology and special techniques.

2. Plan

- a. These skills will be refined and taught by Staff Pathologists, the Dermatopathologist from UTSWMC, Pathologist's Assistants, and Histology technical staff during the processing of surgical specimens submitted to the department.

3. Supervision/Assessment

- a. These skills are evaluated by Pathology staff and reviewed at midterm and the end of the rotation with the residents by the Chief of the service.

B. Cytopathology:

1. Objectives:

- a. Performance and interpretation of fine-needle aspirations.
- b. Preparation of materials obtained by deep-needle aspiration by radiologic techniques.

2. Supervision/Assessment:

- a. These skills will be refined, taught, and evaluated by Staff Pathologists, Cytotechnologists, and the Chief of the service in a manner similar to that described for Surgical Pathology.

C. Autopsy:

1. Objectives:

- a. Technical performance of all components of the autopsy, including examination, evisceration, dissection, and sampling of tissues.
- b. Collection of autopsy materials for ancillary studies including microbiology, virology, chemical analysis, cytogenetics, and molecular analysis, and interpretation of the results.
- c. Utility and practice of postmortem photography and radiography.

2. Supervision/Assessment

- a. These skills will be refined and taught by Staff Pathologists, Autopsy Assistants, and Histology, Microbiology, and Client Services Technologists during the performance of autopsies. Pathology staff are assigned to each autopsy and evaluate the resident's performance of these skills. The staff takes the performance of these skills into consideration when completing both midterm and term written evaluations of the

residents. These are reviewed with the resident by the Chief of the service.

2. Interpretive Skills

A. Surgical Pathology, Dermatopathology, Renal and Hepatic Pathology:

1. Objectives

- a. Preparation and interpretation of frozen sections.
- b. Microscopy of normal and abnormal surgical pathology tissues.
- c. Utility and interpretation of immunohistochemistry, in-situ hybridization and electron microscopy in the evaluation of surgical specimens.
- d. Appropriate use and correlation of ancillary techniques, including microbiology, flow cytometry and cytogenetics.
- e. Familiarity with the gross and microscopic appearance of common conditions and diseases presenting in various areas of surgical pathology.
- f. Assessment of the adequacy of renal biopsies for histopathology and ancillary techniques.
- g. Familiarity with the interpretation of immunofluorescent patterns of staining of the skin in classic or common skin conditions and of kidney in classic or common renal diseases.
- h. Familiarity with the interpretation of electron microscopy of kidney biopsies.
- i. Familiarity with the clinical implications of abnormalities of liver enzymes, autoimmune serologies and infectious disease serologies and how they can provide useful clinicopathologic correlation with the results of liver biopsy in the diagnosis and management of patients.

B. Cytopathology:

1. Objectives

- a. Microscopy, including assessment of adequacy, of non-gynecologic exfoliative cytologic specimens, with recognition of normal and abnormal components.
- b. Appropriate use and interpretation of ancillary techniques, including immunohistochemistry, microbiology, flow cytometry and cytogenetics.
- c. Participation in proficiency testing programs for Cytopathology.

2. Supervision/Assessment

- a. These skills will be refined and taught by Staff Pathologists, Cytotechnologists, and Cytopathology technical staff during the interpretation of autopsies, surgical pathology, and cytopathology samples submitted to the laboratory. Assessment of these skills will be given to the residents in written and oral evaluations by the Chief of the service.

C. Autopsy Pathology:

1. Objectives

- a. Analysis and presentation of patient's medical record.
- b. Microscopy of normal and abnormal autopsy tissues.
- c. Analysis of the autopsy findings in the context of the clinical picture and medical literature, and formulation of a clinicopathologic correlation.